

1996 Honda Accord EX

BRAKE SYSTEM '1995-96 BRAKES American Honda Motor Co. - Disc & Drum

REMOVAL & INSTALLATION

FRONT DISC BRAKE PADS

Removal

1. Raise and support front of vehicle. Remove wheels. Remove caliper bolt and brakeline bracket bolts. Pivot caliper aside. Remove pads and pad shim. Remove pad retainers (if equipped).
2. Using a vernier caliper, measure brake friction pad thickness. Measurement does not include pad backing thickness. Minimum brake pad thickness is .06" (1.6 mm).

NOTE: Replace brake pads in axle sets of 4 pads. Ensure grease, brake fluid and other contaminants do not contact lining surface. Inspect and clean rotor, and resurface it if necessary. See DISC BRAKE SPECIFICATIONS table.

Installation

1. Lubricate sliding surfaces with high temperature silicone grease. Install pad retainers. Apply Molykote M77 compound to back of pads and both sides of pad shims.
2. Install inner and outer pad shims. Install brake pads. If reusing pads, always reinstall in original position. Ensure brake pad with pad wear indicator is installed inside. Loosen bleeder screw, and slowly push piston into caliper bore.
3. Tighten bleeder screw. Ensure brake fluid does not contaminate pads. Position caliper, and install and tighten lower guide pin or caliper bolts to specification. See TORQUE SPECIFICATIONS. Depress brake pedal several times to seat pads. Bleed brakes as necessary. See BLEEDING BRAKE SYSTEM.

FRONT BRAKE CALIPER

NOTE: Front disc brake calipers are of same basic design. Only caliper-to-bracket attachments and anti-rattle springs or clips differ among models.

Removal

1. Raise and support front of vehicle. Remove wheels. Remove banjo bolt and copper washers connecting brakeline to caliper. Plug hydraulic line and caliper.
2. Detach caliper guide pins or bolts, and remove caliper. DO NOT damage splash guard on upper caliper bolt side (if equipped) during removal. Remove disc pads, pad retainers, upper and lower anti-rattle springs and shim.

Installation

To install, reverse removal procedure. Install NEW copper banjo bolt washers when installing brake flexhose. See TORQUE SPECIFICATIONS. Bleed brake system. See BLEEDING BRAKE SYSTEM.

FRONT BRAKE ROTOR

None		

NOTE: On Accord, hub and bearing assembly must be removed to remove rotor. See **WHEEL BEARING under REMOVAL & INSTALLATION in FRONT article in SUSPENSION.**

REAR DISC BRAKE PADS

Removal

Raise and support rear of vehicle. Remove wheels and release parking brake. Remove caliper shield (if equipped). Remove caliper mounting bolts. Remove caliper from bracket. Suspend caliper using wire. Remove brake pads.

Inspection

Using a vernier caliper, measure friction pad thickness. Service limit is .06" (1.5 mm).

Installation

1. Apply Molykote M77 compound to pad side of inner and outer pad shims. Install brake pads and shims. Rotate caliper piston clockwise in caliper (if necessary). Ensure cutout in piston aligns with tab on inner pad.
2. Avoid twisting piston boot. If boot is twisted, back out piston and reposition boot. Install brake caliper and parking brake cable. Install caliper shield. Tighten shield mounting bolts to specification. See **TORQUE SPECIFICATIONS.**
3. Pump brake pedal several times to seat pads. Bleed brakes as necessary. See **BLEEDING BRAKE SYSTEM.**

REAR BRAKE CALIPER

Removal

1. Raise and support rear of vehicle. Remove wheels and release parking brake. Detach caliper shield mounting bolts. Remove shield. Remove parking brake cable from caliper.
2. Remove banjo bolt and copper washers connecting brakeline to caliper. Plug hydraulic line and caliper. Detach caliper mounting bolts, and remove caliper.

Installation

To install, reverse removal procedure. Replace copper banjo bolt washers with **NEW** when installing brake flexhose. Bleed brake system. See **BLEEDING BRAKE SYSTEM.**

REAR BRAKE ROTOR

Removal & Installation

1. Raise and support vehicle. Remove wheels. Remove caliper assembly. See **REAR BRAKE CALIPER.**

Suspend caliper using wire. Remove caliper bracket mounting bolts and bracket. Attach dial indicator to control arm assembly. Check rotor runout before removal. See DISC BRAKE SPECIFICATIONS table.

2. Remove spindle nut. Detach and remove two 6-mm rotor retaining screws. Install two 8 x 1.25 x 12-mm bolts in existing holes. To prevent warpage, alternately turn bolts 2 turns at a time until disc can be removed from hub.
3. Clean rotor of all rust, and inspect rotor surfaces for excessive wear, cracks and grooves. Resurface or replace rotor as necessary. To install, reverse removal procedure. Install NEW spindle nut. Tighten retaining screws. Bleed hydraulic system (if necessary). See BLEEDING BRAKE SYSTEM.

BRAKE DRUM

Removal & Installation

1. Raise and support vehicle. Remove rear wheels. Loosen parking brake. Pull brake drum off hub.
2. Inspect lining friction surface of drum for grooves, excessive wear and damage. Using an inside micrometer, measure Inner Diameter (I.D.) of brake drum. If I.D. is not within specification, replace brake drum. See DRUM BRAKE SPECIFICATIONS table.
3. Resurface drum when new linings are installed. Replace drum if specification is exceeded. To install, reverse removal procedure.

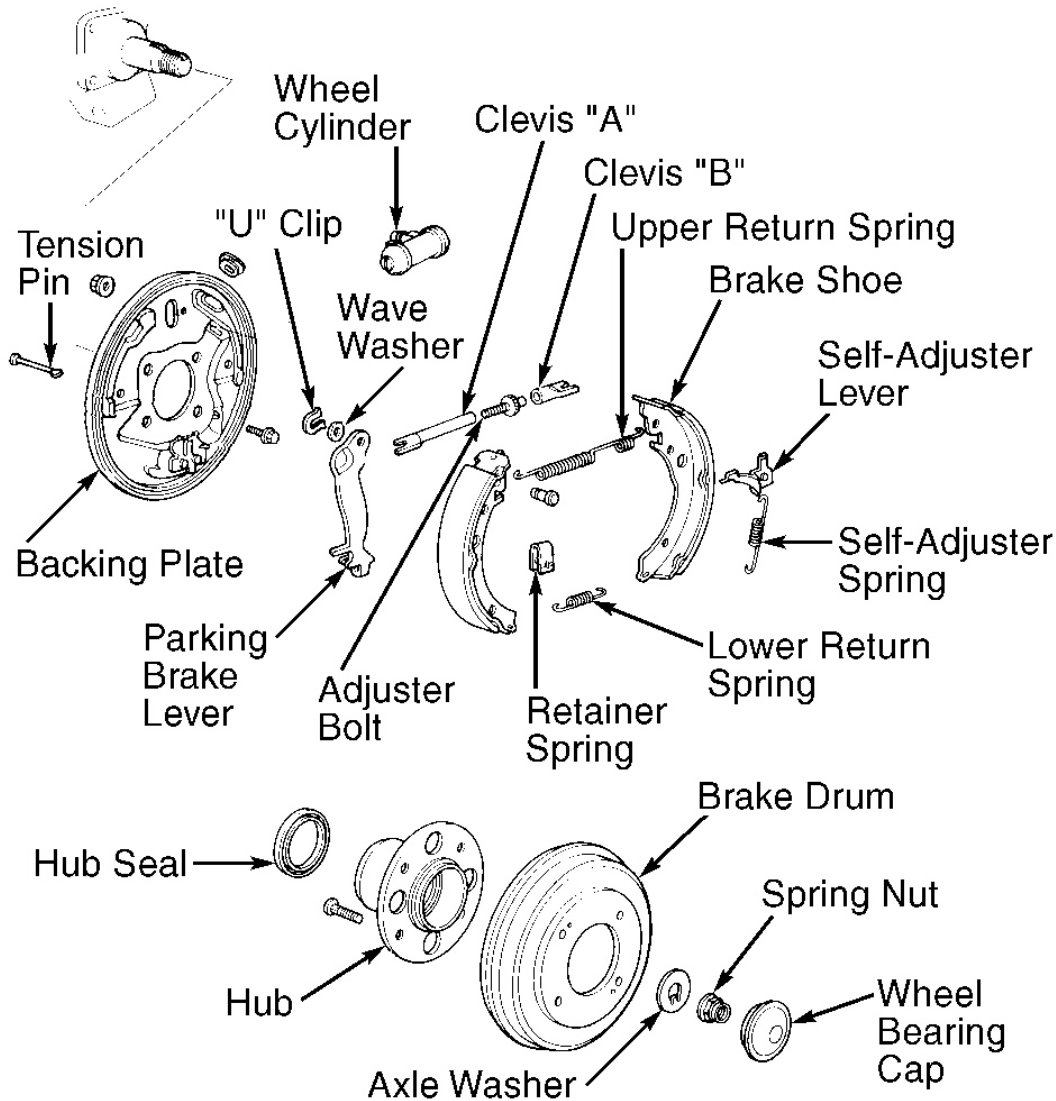
REAR BRAKE SHOES

Removal

1. Raise and support rear of vehicle. Remove rear wheels and brake drums. Remove upper return spring. Detach shoe tension pins by pushing in on retaining spring and turning tension pin 90 degrees to align with spring slot.
2. Lower brake shoe assembly to clear wheel cylinder, and remove lower return spring. Note original position of all springs. See **Fig. 8**.

CAUTION: Ensure wheel cylinder rubber dust covers are not damaged during brake shoe removal.

3. Remove brake shoe assembly. Disconnect parking brake cable from parking brake lever assembly. Separate brake shoes. Remove self-adjuster bolt, lever and spring. Pry off circlip, and remove washer, pivot pin and parking brake lever (if necessary). Mark parking brake lever for left or right position.



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Fig. 8: Exploded View Of Rear Drum Brake Assembly (Typical)
 Courtesy of AMERICAN HONDA MOTOR CO., INC.

Inspection

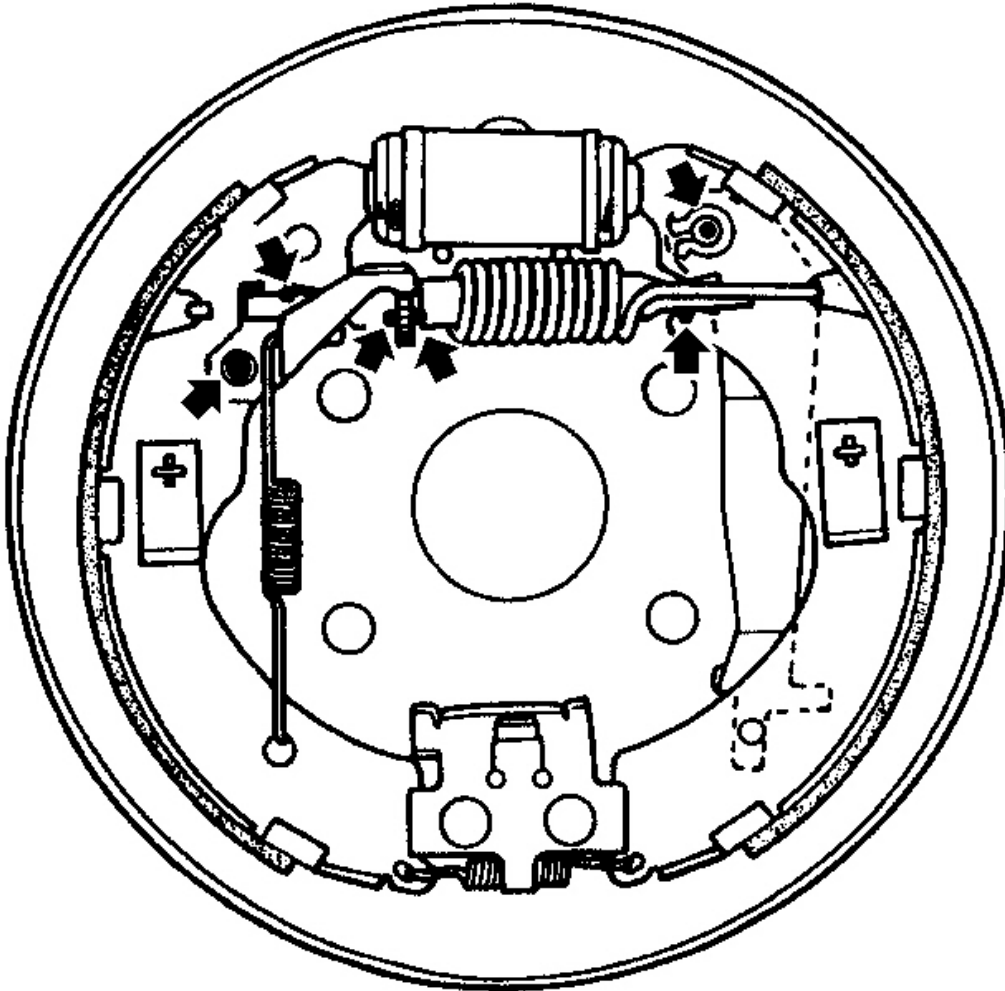
Check self-adjuster lever for worn or damaged ratchet teeth. Inspect brake shoes for distortion, nicks or burrs, and loose, glazed, cracked or oil-soaked linings. Check all springs for weakness and damage. Inspect brake linings for excessive wear and damage. Lining service limit is .080" (2.00 mm) on drum brakes and .04" (1.0 mm) on disc/drums. Replace linings (and springs) in axle sets only. Resurface brake drums when new linings are installed.

None	
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Installation

1. Apply light coat of high-temperature grease to threads of adjuster assembly, sliding surfaces of brake shoes and metal contact areas of backing plate. See **Fig. 9** . Install parking brake lever to brake shoe. Apply Molykote 44 compound to brake shoe ends and opposite edges of shoes. See **Fig. 10** .
2. Screw in self-adjuster bolt until it stops. Install parking brake cable on lever. To complete installation, reverse removal procedure. Bleed system as necessary. See BLEEDING BRAKE SYSTEM. Depress brake pedal several times to set self-adjusting brake. Adjust parking brake. See PARKING BRAKE under ADJUSTMENTS.

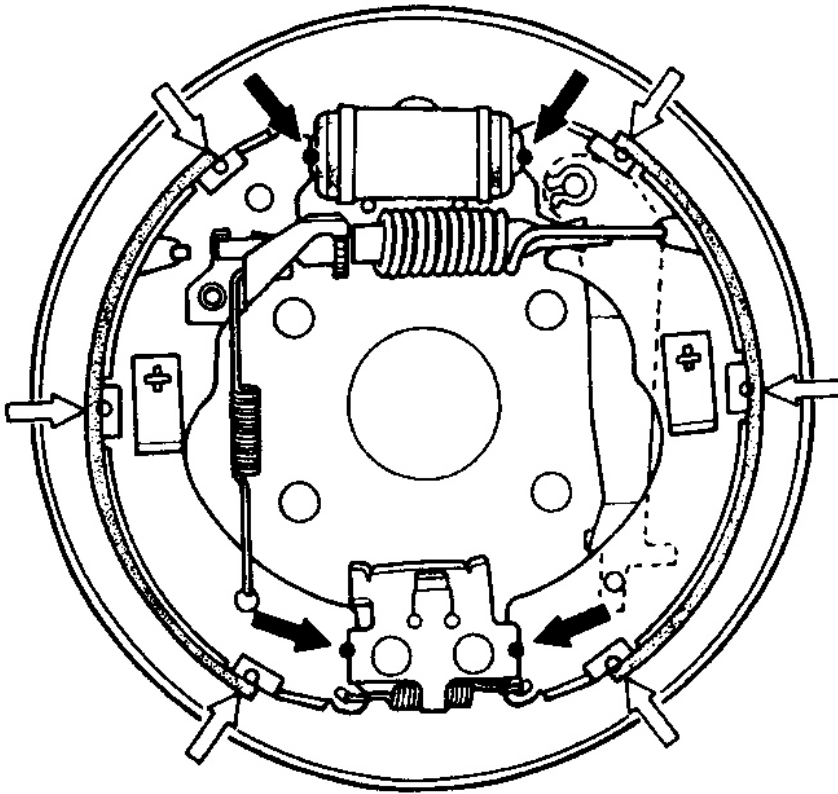
➡ ● Sliding Surface



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Fig. 9: Identifying Rear Brake Shoe Lubricating Points (Typical)
Courtesy of AMERICAN HONDA MOTOR CO., INC.

→ ● Opposite Edge Of The Shoe
 ⇨ ○ Brake Shoe Ends



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Fig. 10: Identifying Rear Brake Shoe Ends & Opposite Edges (Typical)
 Courtesy of AMERICAN HONDA MOTOR CO., INC.

MASTER CYLINDER

Removal & Installation

Drain master cylinder reservoir. Disconnect fluid level switch connector. Disconnect brakelines. Plug openings to prevent fluid loss and contamination. Remove master cylinder mounting nuts. Remove master cylinder. Bleed master cylinder before installation. To install, reverse removal procedure. Bleed system as necessary. See BLEEDING BRAKE SYSTEM.

POWER BRAKE BOOSTER

Removal

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Power brake booster may be removed with master cylinder attached, if desired. Disconnect vacuum hose from power brake booster. From inside vehicle, remove retaining clip from booster rod pin on brake pedal. Remove pin from brake pedal. Remove brake booster mounting nuts. Remove power brake booster assembly from engine compartment.

Installation

Check length of brake booster rod. See **Fig. 5** . Install power brake booster. Tighten mounting nuts to specification. See TORQUE SPECIFICATIONS. To complete installation, reverse removal procedure. Bleed system as necessary. See BLEEDING BRAKE SYSTEM.

REAR AXLE BEARINGS & OIL SEAL

NOTE: All models use a permanently sealed bearing assembly that requires removal of hub assembly from vehicle. See REAR SUSPENSION article.

HUB & KNUCKLE ASSEMBLY

Removal

1. Loosen lug nuts with vehicle weight on tires. Pry lock tab away from spindle nut, and loosen nut. Raise and support vehicle. Remove lug nuts and spindle nut. Remove wheel assembly. Remove caliper assembly, and support aside. **DO NOT** put weight on flexible brake line.
2. Remove cotter pin and nut from tie rod end. Using Ball Joint Remover (07MAC-SL00200), separate tie rod ball joint and lift tie rod end out of knuckle. Remove cotter pin from lower control arm ball joint, and loosen castle nut half length of joint threads. See **Fig. 2** . Using ball joint separator, separate lower ball joint from control arm. Remove nut.
3. Remove hub/knuckle from control arm. Remove cotter pin and nut from upper ball joint. Using ball joint remover, separate ball joint from upper control arm. Slide axle shaft from knuckle and hub assembly. Support axle shaft with wire. Remove hub/knuckle assembly.

Installation

To install hub/knuckle, reverse removal procedure. Tighten bolts and nuts to specification. Use NEW spindle nut, and stake after tightening. See **TORQUE SPECIFICATIONS** .

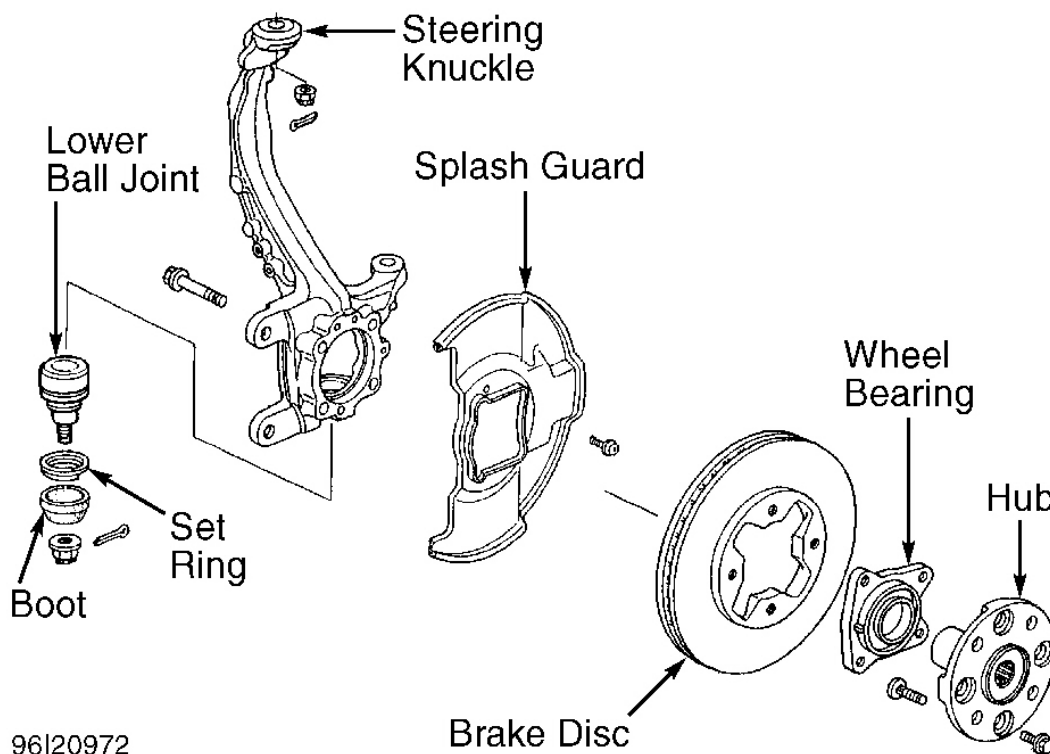


Fig. 2: Exploded View Of Steering Knuckle

None	

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SUSPENSION - FRONT' '1995-96 SUSPENSION Honda - Front

Courtesy of AMERICAN HONDA MOTOR CO., INC.

None